ZyXEL

ZyXEL green

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- 1-Bay digital media server with capacity of up to 2 TB
- DLNA 1.5-certified server compatible with a wide range of media devices
- Supports iTunes Server, SqueezeCenter and photo album servers for music/photo streaming and sharing
- Runs eMule/BitTorrent/FTP/HTTP downloads independent of PC
- Eco-friendly power scheduling saves energy
- Instant/scheduled backup solutions to protect valuable files
- Built-in RSS client and server enable auto-download and notification
- Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.) for hard disk health monitoring

NSA210

1-Bay Digital Media Server

Centralized Digital Media Server for Storing, Streaming and Sharing Multimedia Files

Benefits

Centralized media server for multimedia streaming

The ZyXEL NSA210, DLNA 1.5-certified 1-Bay Media Server, supports multiple server technologies for multimedia sharing. Acting as an iTunes server, SqueezeCenter, personal blog and photo album server for PCs, laptops and SqueezeBoxes, the NSA210 can make it easy to stream and share music and photos.

Through an enhanced online "Package" management, advanced users can easily choose their preferred applications online. The selected application software will be automatically downloaded from the ZyXEL website and install. It can save your storage capacity for applications you require and offer you the real-time application software support per your needs.

Intuitive user interface integrated with media player

With the user-friendly installation wizard, it's easy and simple to manage and backup media files. Through an intuitive user interface integrated with the media player, you can play music and photo slide shows directly from NSA210. The NSA210 also allows you to create a music playlist and play it on the background for photo slide shows.

A newly designed alphabetical search bar provides you a more convenient way to search files within thousands of songs, photos and videos stored in the NSA210.

Home Screen

Music Playback Button

UPnP

dlna CERTIFIED

NSA210

1-Bay Digital Media Server

Powerful auto download/upload platforms freeing up your PC

For saving your power usage, the NSA210's platform allows you to continuously download/upload files without powering on PC.

HTTP

With the link capture support, you can just simply click on the hyperlink of the file in your web browser and the download link will be recognized by the NSA210. Then the file will be downloaded even if the PC is off. This is particularly useful for large and lengthy downloads, efficient to save enormous power and helpful for freeing up system resources of your computer.

BitTorrent and eMule

The NSA210 features a BitTorrent client for fast downloading and sharing large files. With high-speed DHT (Distributed Hash Tables) mode and TCP/UDP tracker protocols support, the NSA210 overcomes the drawbacks of slow and disrupted downloading and also supports eMule for downloading.

RSS

After you subscribe to RSS feeds and add the links to the NSA210, the built-in RSS client enables the NSA210 to automatically download the latest digital contents, such as TV programs and Podcasts. With RSS server support, the NSA210 makes it easy for you to share the files with your friends by subscribing to the RSS feeds you set.

FTP Server

With the NSA210, you can establish your own FTP server and manage access authorization for it. The auto-upload function can automatically upload files stored in the NSA to FTP servers; it's a very efficient way to update multiple FTP servers simultaneously and share with your friends and family.

Flickr/YouTube

The NSA210 supports auto-upload to Flickr and YouTube as well. With simple setup steps, newly updated photos and videos stored in the NSA210 can be automatically uploaded to Flickr and YouTube effortlessly.

Eco-friendly scheduled power on/off saves energy

To save on electricity bills and better protect the environment, the NSA210 consumes less power without compromising performance. Compared to traditional NAS and storage servers (consume 200 W normally), the NSA210 consumes 85% less power. Furthermore, the NSA210's eco-friendly scheduling function can automatically perform power management tasks according to specific date/time or idle period settings for better power efficiency. In other words, the NSA210 can automatically turn on or off based on your usage patterns and needs to conserve power and cost.

Complete instant/scheduled backup solutions for data protection

The NSA210 provides a complete set of backup solutions for home and SOHO users. The intuitive Memeo Auto-backup software can automatically synchronize the data from PC to NSA. Moreover, with the intelligent "Copy/Sync" button, the NSA210 makes it even easier to copy to or from external USB storage devices, card readers and digital cameras.

In addition, the "Backup Planner" provides you the solutions of instant backup and scheduled backup from the NSA210 to other NSA or external storage devices. Just by simple setup steps, you can plan your backup schedule per your needs. Adavenced functions such as data compression and synchronization also optimize the bandwidth and time for high-performance data backup.

S.M.A.R.T. for hard disk health monitoring

The Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.) provides comprehensive information regarding hard drive health status to prevent potential physical drive failures. The comprehensive log system summarizes detail data access records and connection status for administrators to analyze, while all errors and warning messages can also be sent via e-mail alerts for instant attention.

Protect your data from potential crises

Important personal documents, photos and databases should be securely stored and transmitted without unauthorized access and loss in case of disk crash. The IP filter table management prevents the NSA210 from malicious attacks. IP filter policies can be created to allow, deny or auto-block IP addresses containing malicious programs or network domain attempting to connect to the NSA210. Moreover, with HTTPS and FTPES (FTP over explicit TLS/SSL) support, the NSA can be accessed under protection and encrypt the data in transmission.

When backing up from the NSA210 to a device of ZyXEL's NSA family, the encrypted Remote Replication feature provides you with high-level data protection for your valuable information. The SATA disk in NSA210 also works with other eSATA hard disks to create a RAID1 mirroring environment for enhanced data protection. Better yet, with supports to the networked recycle bin, the accidentally deleted data can be quickly restored.

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NSA210

1-Bay Digital Media Server

Specifications

System Specifications

Networking

- Network protocol:
  - TCP/IP
  - CIFS/SMB, NFS (for Linux/Unix)
  - FTP, HTTP
  - DHCP client
  - PPPoE
  - NTP (Network Time Protocol)
- Network setting:
  - DyDNS support
- Network applications:
  - Gigabit jumbo frame support up to 9K bytes
  - UPnP AV server
  - iTunes server support
  - SqueezeCenter support
  - Samba/FTP server support
  - Photo album server
  - phpMyAdmin/MySQL/PHP Support
  - Support eMule/BitTorrent/FTP/HTTP downloads
  - Auto-upload newly-added files to FTP servers, Flickr and YouTube

Support File System

- Internal HDD: XFS
- External HDD: NTFS, EXT2, EXT3, FAT32, ReiserFS, XFS

Security

- Support HTTPS and FTPES (FTP over explicit TLS/SSL)
- Encrypted NSA to NSA remote replication
- Encrypted NSA to external disk archive backup

Backup Solutions

- One-touch copy/sync button for external USB-capable devices backup
- Backup planner:
  - Instant/scheduled backup
  - NSA to NSA synchronization/archive backup
  - NSA to external USB hard disk backup
- PC to NSA backup (Memeo AutoBackup software)

USB Device Support

- USB hard disk and card reader
- Digital camera (support picture transfer protocol)
- UPS monitoring and auto shutdown

RAID Feature

- Internal SATA work with eSATA hard disk to have RAID1 or JBOD migrate to RAID 1

Disk Maintenance

- Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.)
- Automatically detect disk bad block with e-mail notification

Power and Thermal Management

- Power control:
  - Internal disk hibernation support
  - eSATA hibernation support
  - Scheduled power on/off/reboot
  - System automatically resume after power outage
- Thermal management:
  - Smart fan speed control
  - High temperature alert/buzzer
  - Auto shutdown while high temperature

Management

- User & group management
- Package management for setting up applications
- IP filter table management
- Download service with bandwidth control
- Download status management
- RSS client and server support auto-download and notifications

System Tools

- System maintenance:
  - System resource, session, status monitoring
  - Firmware upgrade
- Alarm:
  - E-mail notification for specified severity of log recorded
  - High temperature e-mail alert with auto-shutdown option
- Logs:
  - Syslog support
  - Periodically system event notification via e-mail

System Requirement

- OS:
  - Windows XP/Vista/7 (32 & 64 bit)
  - MAC OS X v10.4/v10.5
- Browser:
  - IE 6.0+, Safari 3.0+, Firefox 2.0+, Chrome 4.0+

Hardware Specifications

- One 3.5" SATA I/II hard disk interface supported
- LAN: One 10/100/1000 Ethernet RJ-45 connector
- Two USB 2.0 ports
- One eSATA port
- Buttons:
  - Power button
  - Copy/Sync button
  - Reset button
- Smart fan design:
  - Acoustic noise level: 23.5 dB (A)(normal speed)
- Power consumption:
  - Access mode: 26.4 Watt
  - Idle mode: 9.69 Watt
- Power supply:
  - Input: 100 ~ 240 V AC
  - Output: 12 V DC; 2.5 A

Physical Specifications

- Item weight: 662 g (1.46 lb)
- Item dimensions (WxDxH):
  58 x 196 x 130 mm (2.28" x 7.71" x 5.12")
- Packing weight: 1,530g (3.38 lb)
- Packing dimensions (WxDxH):
  362 x 110 x 201 mm (14.25" x 4.33" x 7.91")

Environmental Specifications

- Operating environment:
  - Temperature: 0°C ~ 40°C
  - Humidity: 0% ~ 95% (Non-condensing)
- Storage environment:
  - Temperature: -30°C ~ 70°C
  - Humidity: 0% ~ 95% (Non-condensing)

Certification

- Safety: CE LVD
- EMC: CE, FCC class B, C-Tick, BSMI
- Others: DLNA 1.5, UPnP

Package Contents

- Digital media server (Hard disk not included)
- Stand
- Power adapter
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card

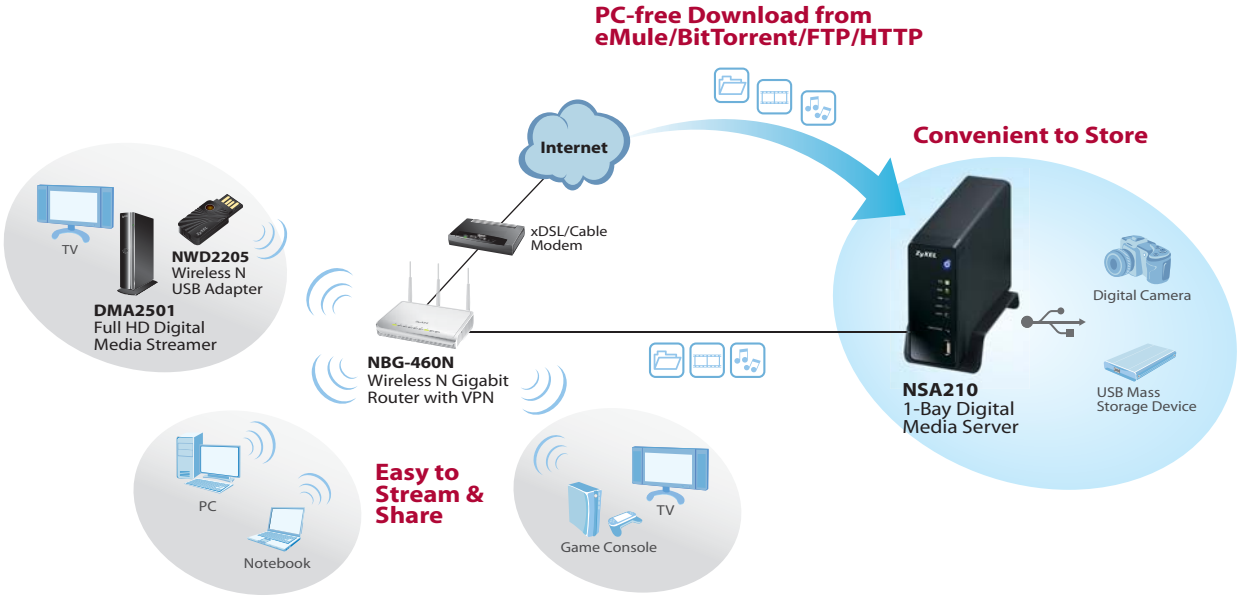
NSA210

1-Bay Digital Media Server

Front Panel

Rear Panel

Application Diagram



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